Job Code : 017/20/000007

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. 3rd & Post bill 681401

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... R. Lokesh. Chikka Adugodi. Bangalore - 29

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work : Comprehensive development of Roads & drains in Muthyalanagara, AC-HA, Mohan Kumar Nagar. Suresh Nagara & Surrounding Area in Ward NO -17 under Package - 19-20 RAN-DIV-(0.9)						
	Est cost :- 1500.00 Lakhs						
	AS : EE/RRN/AS/148/2020-21 dt: 02.09.2020						
	TS : CE/RRN/TS/234/2019-20 dt: 20.01.2020						
	W.O : EE/RAND/NO.W/000025/2020-21						dt 14/9/2020.

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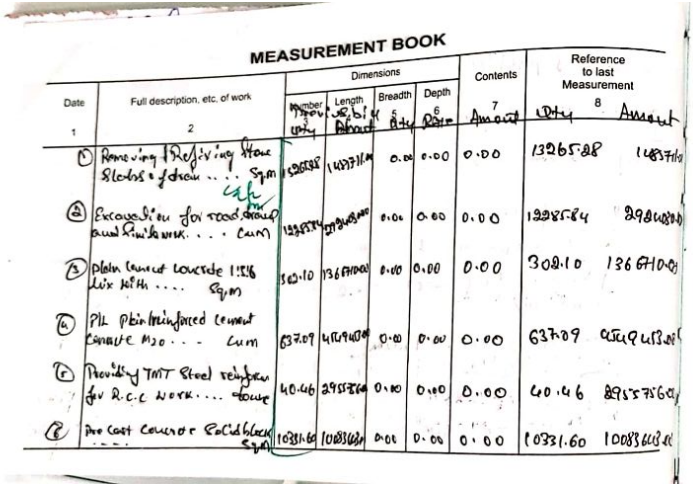
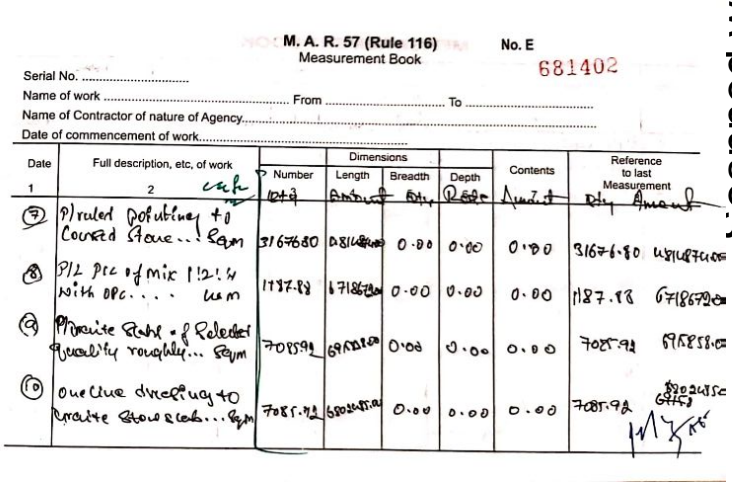


MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement: Qty	Amount
1	2	3	4	5	6	7	8	
(1)	Removing the existing stone Slabs of floor ... Sqm			0.00	0.00	0.00	13265.88	
(2)	Excavation for road crossing and Kerb work ... Cum			0.00	0.00	0.00	12285.84	
(3)	Plain cement concrete 1:2:4 Mix with ... Sqm	360.10		0.00	0.00	0.00	302.10	
(4)	PL plain reinforced cement Concrete M20 ... Cum	637.09		0.00	0.00	0.00	637.09	
(5)	Providing TMT Steel reinforcement for R.C.C Work ... tonne	40.46		0.00	0.00	0.00	40.46	
(6)	Pre Cast Concrete Solid block ... Sqm	10331.60		0.00	0.00	0.00	10331.60	



M. A. R. 57 (Rule 116) No. E
Measurement Book
681402

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement: Qty	Amount
1	2							
(7)	P/ruled pointing to Curved Stone ... Sqm	3167.80		0.00	0.00	0.00	3167.80	
(8)	P/L Prc of mix 1:2:4 with OPC ... Cum	1187.88		0.00	0.00	0.00	1187.88	
(9)	Provide Stone of Selected quality roughly ... Sqm	7085.92		0.00	0.00	0.00	7085.92	
(10)	One Cube dressing to Granite Stone slab ... Sqm	7085.92		0.00	0.00	0.00	7085.92	

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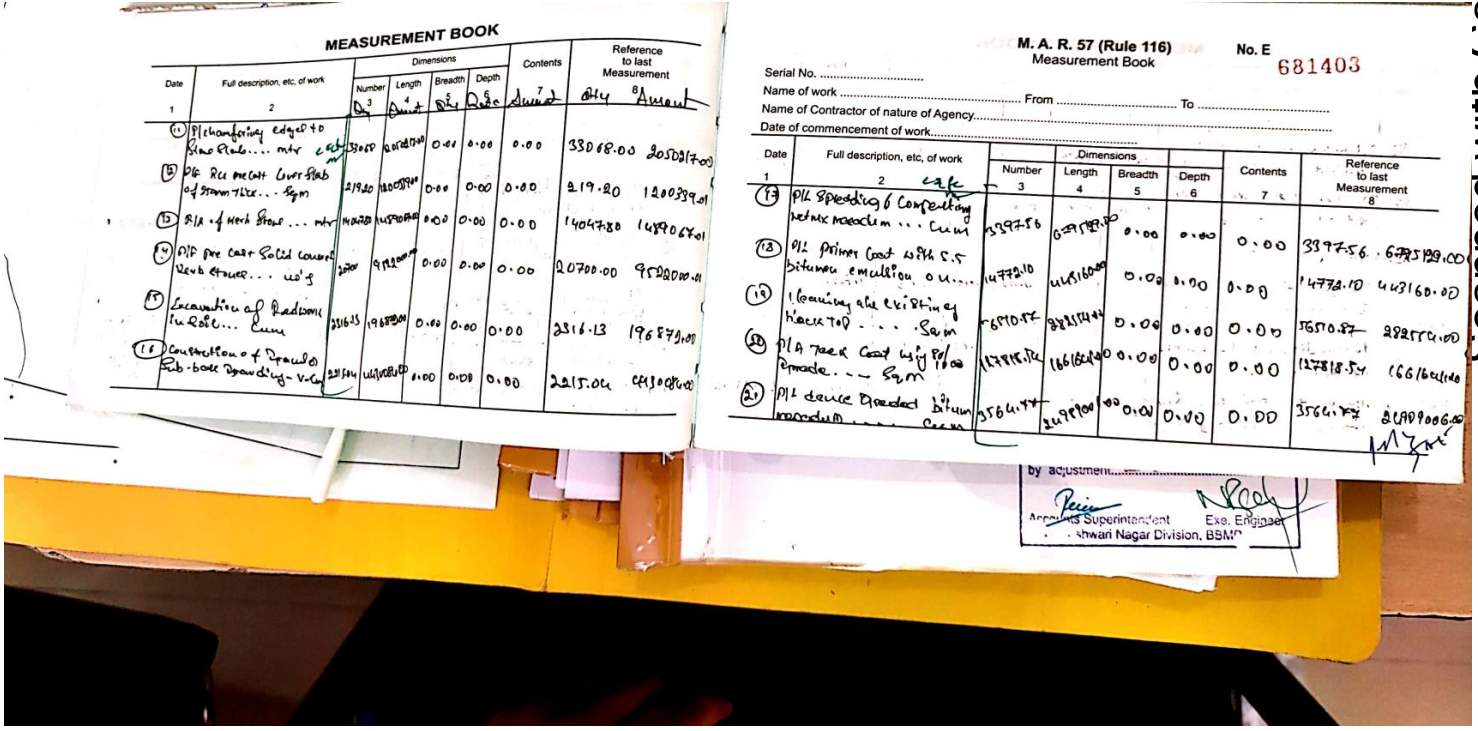

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement: Abstract	Amount
1	2	3	4	5	6	7	8	
(11)	P/L chamfering edges of RCC Slab ... mtr	33068	0.00	0.00	0.00	33068.00		2050816.00
(12)	P/L RCC precast Cover Slab of Storm Water ... Sqm	2190	0.00	0.00	0.00	219.20		1200339.01
(13)	P/L of Kerb Stone ... mtr	14047	0.00	0.00	0.00	14047.80		1489067.01
(14)	P/L pre cast Solid Coursed Kerb Stones ... sq'g	2700	0.00	0.00	0.00	2700.00		952200.00
(15)	Excavation of Rock in Soil ... Cum	31613	0.00	0.00	0.00	2316.13		1968790.00
(16)	Construction of Drawal Pub-boat Drawding-V-Cut	23154	0.00	0.00	0.00	2215.04		1130080.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 681403

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
(17)	P/L Spreading & Compacting Premix macadam ... Cum	3397.56	0.00	0.00	0.00	0.00	3397.56 6795129.00
(18)	P/L Primer Coat with S.S Bitumen emulsion ... Sqm	14772.10	0.00	0.00	0.00	0.00	14772.10 443160.00
(19)	Cleaning the existing Black Top ... Sqm	76910.44	0.00	0.00	0.00	0.00	76910.87 2882544.00
(20)	P/L Tack Coat using RS-1 Grade ... Sqm	12781.54	0.00	0.00	0.00	0.00	12781.54 1661600.00
(21)	P/L Dense Graded Bitumen macadam ... Cum	3564.77	0.00	0.00	0.00	0.00	3564.77 2499006.00

by adjustment.....

Accounts Superintendent Exe. Engineer
... shwari Nagar Division, BSMC

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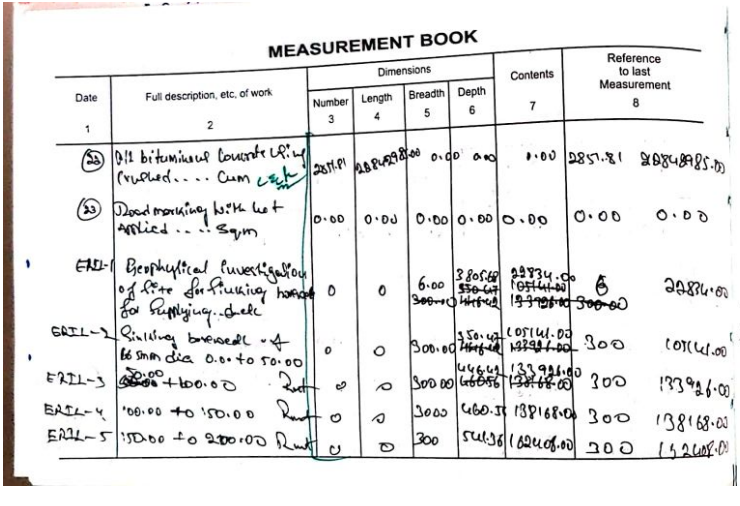
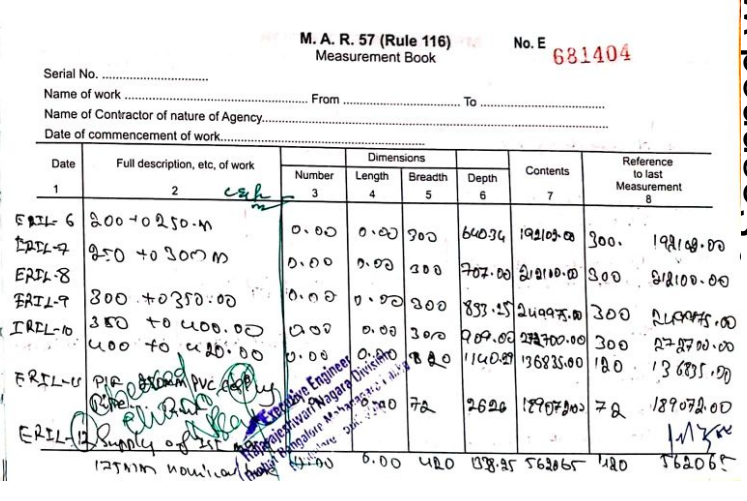


MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
(22)	D/L bituminous concrete Lining (rolled .... Cum	2857.81	2824.98	0.00	0.00	0.00	2857.81
(23)	Road marking with hot applied ... Sqm	0.00	0.00	0.00	0.00	0.00	0.00
ERIL-1	Geophysical Investigation of site for sinking bore for supplying ... deli	0	0	6.00	380.68	22834.00	0
ERIL-2	Sinking borewell ... to 50mm dia 0.00 to 50.00	0	0	300.00	350.47	105141.00	300
ERIL-3	50.00 to 100.00 Rmt	0	0	300.00	444.69	133381.00	300
ERIL-4	100.00 to 150.00 Rmt	0	0	300.00	460.56	138168.00	300
ERIL-5	150.00 to 200.00 Rmt	0	0	300	514.36	154308.00	300



M. A. R. 57 (Rule 116)
Measurement Book

No. E 681404

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
ERIL-6	200 to 250 M	0.00	0.00	300	640.36	192108.00	300
ERIL-7	250 to 300 M	0.00	0.00	300	707.00	212100.00	300
ERIL-8							
ERIL-9	300 to 350.00	0.00	0.00	300	833.25	249975.00	300
IRIL-10	350 to 400.00	0.00	0.00	300	909.00	272700.00	300
	400 to 420.00	0.00	0.00	300	1140.29	136835.00	120
ERIL-11	PIC [illegible] PVC [illegible]						
ERIL-12	Supply of [illegible]	0.00	0.00	420	138.25	562865	420

Executive Engineer
Irrigation Division
Bangalore

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
ERIL-13	P/ 125mm Dia MS Colour ... NO	0.00	0.00	70.00	15150	10605.00	70.00 10605.00
ERIL-14	P/ 125mm Dia Puncap CE ... NO	0.00	0.00	6.00	101.00	606.00	6.00 606.00
ERIL-15	Providing & fixing Angular CRI Knuckle ... NO	0.00	0.00	6.00	5047.83	30287.00	6.00 30287.00
ERIL-16	P/F in trenches Galvanized Mild Steel tube ... Rmt	0.00	0.00	2368.00	41539	9421111.00	2368.00 9421111.00
ERIL-17	SB 3 Core flat PVC Sheathed ... Rmt	0.00	0.00	4596	127.97	588186.00	4596 588186.00
ERIL-18	P/F in position 10MM Nominal bore ... NO	0.00	0.00	6	1358.59	8153.00	6.00 8152.00
ERIL-19	P/F 10MM 2/7 Quick No	0.00	1.00	6	225.96	1356.00	6.00 1356.00
ERIL-20	P/F 10MM BI Elbow No	0.00	0.00	6	112.92	678.00	6.00 678.00

M. A. R. 57 (Rule 116) No. E 631405

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
E-21	P/F 10MM 2I Nipple ... NO	0.00	0.00	6.00	105.94 112.92	638.00	6.00 638.00
ERIL-22	P/F BI Hose coupling ... NO	0.00	0.00	378.00	104.68	39529.00	378.00 39529.00
ERIL-23	SB 200x200x2.5mm Polished Wood board ... NO	0.00	0.00	6.00	305.02	1830.00	6.00 1830.00
ERIL-24	SB miniature Circuit breaker ... NO	0.00	0.00	6.00	195.36	1173.00	6.00 1173.00
ERIL-25	Providing of TPST knife Isolatable ... NO	0.00	0.00	6.00	181.09	10908.00	6.00 10908.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
E RIL-13	P/ 175mm Dia MS Cover-NO	0.00	0.00	70.00	1150	10605.00	70.00 10605.00
ERIL-14	P/ 175mm Dia PVC Cap CE-NO	0.00	0.00	6.00	101.00	606.00	6.00 606.00
ERIL-15	Annexure-I Engineering Services Kirloskar	6.00	0.00	6.00	5047.00	302787.00	6.00 302787.00
ERIL-16	P/F in trenches of required Mild Steel Structural Steel work Rmt	0.00	0.00	2868.00	4153.00	9421111.00	2868.00 9421111.00
ERIL-17	SB of Brick Masonry Plant PVC Structure ---- Rmt	0.00	0.00	4596	127.97	588186.00	4596 588136.00
ERIL-18	P/F in position 10mm Nominal bore .... NO	0.00	0.00	6	1378.59	8153.00	6.00 8153.00
ERIL-19	P/F 50mm GI Union NO	0.00	0.00	6	229.94	1356.00	6.00 1356.00
ERIL-20	P/F 50mm Dia Elbow NO	0.00	0.00	6	112.92	678.00	6.00 678.00

Rajashekar Bangalore Pedda Anjanappa Nayaka Bangalore 560 054

M. A. R. 57 (Rule 116)
Measurement Book

No. E 631405

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
E-21	P/F 50mm GI Nipple .NO	0.00	0.00	6.00	105.94 53.92	638.00	6.00 638.00
ERIL-22	P/F Bi Metal casting ... NO	0.00	0.00	378.00	104.83	39329.00	378.00 39329.00
ERIL-23	S/F 20mm x 20mm x 2.5mm Polished wood board ... NO	0.00	0.00	6.00	305.09	1830.00	6.00 1830.00
ERIL-24	S/F Miniature Circuit Breaker .... NO	0.00	0.00	6.00	1955.36	11738.00	6.00 11738.00
ERIL-25	Painting of TMT with Epoxy ... NO	0.00	0.00	6.00	1819.00	10908.00	6.00 10908.00

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
ERIL-26	SIF LED type panel board indicating lamp... NO	0.00	0.00	0.00	0.00	2606.00	G.00 2606.00
ERIL-27	Supply, fully automatic star delta... NO	0.00	0.00	6.00	6464	38784.00	6.00 38784.00
ERIL-28	Cabling & wiring single pole MCB protector... NO	0.00	0.00	6.00	7.5kg	645	6.00 645.00
ERIL-29	Wiring for lighting/fan circuit... mtrs	0.00	0.00	120	0.00	54.54	120.00 6544.00
ERIL-30	SIF and wiring heavy duty MCB... NO	0.00	0.00	24	0.00	969.00	24.00 969.00
ERIL-31	SIF wiring earth electrode... NO	0.00	0.00	6.00	1.5kg	1178.00	6.00 1178.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 631406

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
ERIL-32	Digging of trench of 0.30 mtr.... mtr	0.00	0.00	45.00	103.02	4645	45 4645.00
ERIL-33	3/L 1.1KV class LT03 Cable... mtr	0.00	0.00	60.00	151.50	9090	60.00 9090.00
ERIL-34	Labour charge for laying 1.1KV... mtr	0.00	0.00	150.00	11.92	1788.00	150.00 1788.00
ERIL-35	SIF class-A (medium duty) DI pipe... Mtr	0.00	0.00	12.00	338.38	4060.00	12.00 4060.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
ERL-36	SP LTC cast iron pot heads... NO	0.00	0.00	6.00	[illegible]	1686.00	6.00 1686.00
ERL-37	SP porcelain fuse channel with... NO	0.00	0.00	18.00	[illegible]	4127.00	18.00 4127.00
ERL-38	Dismantling of cement concrete pavement... Cum	0.00	0.00	8586	963.47	8268.00	85.86 8268.00
ERL-39	Earthwork excavation for foundation... Cum	0.00	0.00	128.79	[illegible]	61709.00	61709.00
ERL-40	PVC chlorinated poly vinyl Chloride (CPVC) comm...	0.00	0.00	954.00	462.50	441234.00	954.00 441234.00
ERL-41	Making connection of PVC distribution branch...	0.00	0.00	6.00	517.10	3103.00	6.00 3103.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 631407

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
ERL-42	PVC chlorinated poly vinyl Chloride... mtr	0.00	0.00	96.00	168.09	16136.00	96.00 16136.00
ERL-43	PVC towali. Ceiling and floor... mtr	0.00	0.00	98.00	138.11	13539.00	98.00 13539.00
ERL-44	Refilling Available Around earth... etc	0.00	0.00	90.15	129.54	11679.00	90.15 11679.00
ERL-45	Loading & unloading of Stone boulders...	0.00	0.00	124.50	98.94	12318.00	124.50 12318.00

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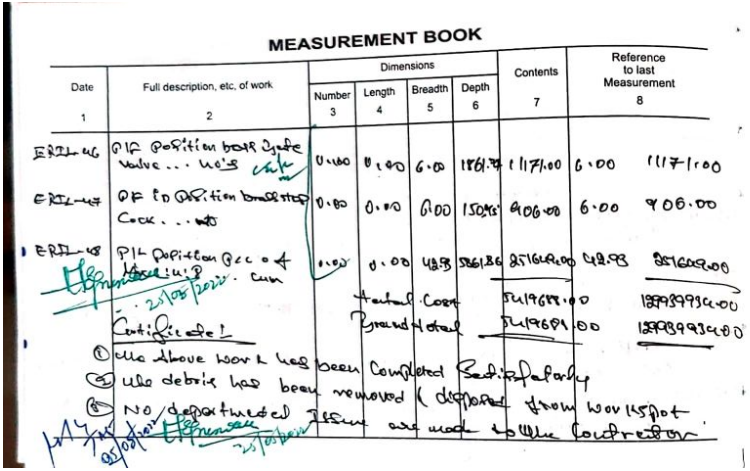
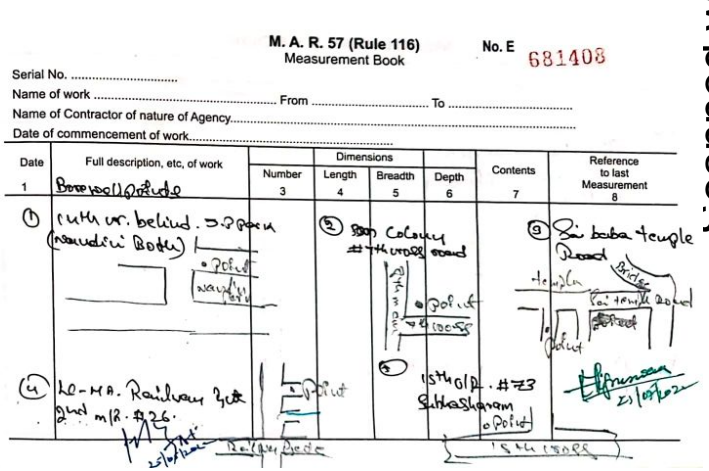


MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
ERL-46	P/F Position boar Sluice valve ... No's	0.100	0.00	6.00	1861.7	1117.00	6.00	1117.00
ERL-47	P/F to Position Small Cock ... No	0.00	0.00	6.00	150.5	906.00	6.00	906.00
ERL-48	P/L Position Pcc of ...	0.00	0.00	4.83	586.36	2516.00	4.83	2516.00
					Total Cost	5419688.00		13999993.00
					Grand Total	5419688.00		13999993.00
	Certificate:							
	(1) The above work has been Completed Satisfactorily							
	(2) The debris has been removed (disposed) from work spot.							
	(3) No/departmental items are used in the Contractor							



M. A. R. 57 (Rule 116)
Measurement Book

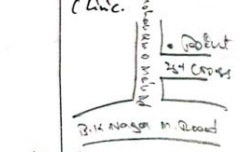
No. E 681408

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1		3	4	5	6	7	8
	Boorewall Grinder						
(1)	(SHG or. below ... Point (Navodini Body)						
(2)	... Colony ... road						
(3)	Sri baba temple Road						
(4)	to-MA. Railway Jct 2nd mile. #26.						
(5)	ISHG/P. #73 Sathasivam ... Point						

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(6) Mohan Kumar Nagar 1st Cross Rd, Shivnala Clinic.						



M. A. R. 57 (Rule 116)
Measurement Book

No. E 681409

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Deductions			₹ - 12,98,35,702 -	
			IT - 53155			D.P.P c/f 12,45,20,246 -	
			CGST - 53155			53,15,456 -	
			SGST - 53155				
			CR - 8050			c/f 225985 -	
			CDF - 5315			By cheque - 50,89,471 -	
			UCC - 53155				

Audited and admitted for Rs. 5315456 -
Passed by Cheque for Rs. 50,89,471 -
(Fifty lakh eighty nine thousand four hundred and seventy one only)
by adjustment 225985 -

Accounts Superintendent
Yeshwanthpur Division, BEML

Exe. Engineer

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